supply of mobile exhibition vans on cost sharing basis. At present, mobile exhibition vans are located at Lucknow (U.P.), Bhopal, (M.P.), Bombay (Maharashtra), Hyderabad (A.P.) Vadodara (Gujarat), Delhi and one has recently been allocated to Orissa Renewable Energy Development Agency, located at Bhubaneswar.

Extraction of Energy from Sea Waves in Orissa

2769. SHRI SANTOSH KUMAR SAHU: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that a project for Extraction of Energy from Sea Waves was being implemented in Orissa; and

(b) if so, details thereof including the results derived and the latest status *vis-a-vis* the activity of the said project?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALPNATH RAI): (a) and (b) Yes, Sir. An R & D project for extraction of energy from sea waves was undertaken by Cacutta Port Trust. A mechanical device was fabricated at Howrah but tested at Puri beach in Orissa. The trials showed that conversion of kinetic energy into mechanical work was feasible. The device was howerver not cosidered suitable for power generation. Further R & D work on this project was therefore suspended after conclusion of Phase I in September, 1990.

गुजरात में "कुटीर ज्योति योजना" का कार्यान्वयन

2770. **श्री रामसिंह राठवा:** क्या विद्युत और गैर-पारम्परिक ऊर्जा स्रोत मंत्री यह बताने की कृपा करेंगे कि:

(क) गुजरात के कितने गांवों में बिजली नहीं है;

(ख) उन स्थानों के नाम क्या-क्या हैं जहां "कुटीर ज्योति योजना" लागू कर दी गई है; और

(ग) गुजरात के कितने गांवों में इस योजना को लागू किए जाने की सम्भावना है?

विद्युत और गैर-पारम्परिक ऊर्जा स्रोत मंत्रालय के राज्य मंत्री (श्री कल्पनाथ राय): (क) गुजरात राज्य बिजली बोर्ड ने गुजरात में, 222 गांवों, जिन्हें जलमग्न स्कीम के अंतर्गत आने वाले गांव, गैर-आबाद आदि जैसे कारणों से विद्युतीकरण के लिए व्यावहारिक नहीं पाया है, को छोड़कर, सभी गांवों को शत-प्रतिशत विद्युतीकृत घोषित कर दिया है।

(ख) और (ग) कुटीर ज्योति स्कीम के अंतर्गत जिसका 1988-89, और 1989-90 के दौरान केन्द्रीय अनुदान के माध्यम से वित्त-पोषण किया गया था, लाभ भोगियों का पता लगाने का कार्य संबंधित राज्य सरकार पर छोड़ दिया गया था। जहां तक गुजरात राज्य का संबंध है, इस स्कीम के अंतर्गत समग्र राज्य में 21540 सिंगल प्वांइट लाइट कनैक्शन दिए जाने के लक्ष्य की तुलना में अधिक कनैक्शन दिए गए हैं। यथोक्त स्कीम को 31.3.1991 के पश्चात् जारी नहीं रखा गया है।

Plant Load Factor for Thermal Power Stations

2771. SHRI PRAMOD MAHAJAN: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Plant Load Factor for Thermal Power Stations is less this year; and

(b) if so, what are the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALPNATH RAI): (a) and (b) During the period April, 91—November, 91 the Plant Load Factor of thermal power stations in the country was 52.8% as against the target of 54.4%. The main reasons for less PLF% was taking maximum number of thermal units under planned maintenance due to

low irrigation demands and excess hydel generation during the monsoon months.

Doyang Hydel Project

2772. SHRI KHYOMO LOTHA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that the Doyang Hydel Project has been started and if so, what is the quantum of project work completed till date and the amount invested therein so far;

(b) whether it is also a fact that the Central Government is contemplating to abandon the project;

(c) if so, what are the reasons therefor; and

(d) how much land is required for the project and how much land has been actually acquired by paying compensation and at what rate?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALPNATH RAI): (a) The Doyang hydel project is being executed by NEEPCO. Certain infrastructural development works like temporary and permanent buildings and internal roads have been nearly completed. Excavation of approach channel and exit tunnel of diversion tunnel and about 200 metres of diversion tunnel boring have been completed. 106730 cubic metres of excavation for the power house has been completed. Work on main dam has been awarded but could not start for want of land acquisition in quarry area and conveyor system. A sum of Rs. 55.06 crores has been invested upto October, 1991.

(b) and (c) No decision to abandon the project has been taken. However, due to various local problems including delay in land acquisition, the cost and the progress of the project have been affected.

(d) Against the total requirement of land assessed at 3408 hectares, the land acquired so far is 1608 hectares. Unit rate for compensation for land already acquired was increased from Rs. 13,000 per hectare in July, 1985 to Rs. 95,000 per hectare in December, 1990. Average rate per hectare for which bills have now been received is Rs. 1,20,000.

DESU Losses due to Theft and Illegal Connection

2773. SHRIMATI KAMLA SINHA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that DESU is losing more than hundred crores due to power theft and illegal connections in Delhi; and

(b) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALPNATH RAI): (a) and (b) It is not possible to segregate the commercial losses on account of theft of electricity from the total transmission & distribution losses. However, as a result of the various measures taken by DESU, including vigorous action against theft of power, the Transmission & Distribution losses have been brought down from 24.6% in 1988-89 to 19.68% in 1990-91.

Australian help for Setting up of Power Units

2774. KUMARI CHANDRIKA PREMJI KENIA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that India and Australia are setting up a Joint Working Group for taking up Power Projects in the country;

(b) if so, what are the details of such projects;